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MEMORANDUM FOR THE RECORD

SUBJECT: Use of KM-4 Photography to Estimate Free World Agricultural Production

- 1. At the request of Chief, COMIREX, I participated in a meeting on the above subject at MPIC on 10 September, chaired by Don Steininger, of the White House Staff, Chairman of the Steering Committee for Project ARGO. (The sames of other persons attending are shown on the attached list.) Steininger opened the meeting by stating that it had been called to select for feasibility studies, specific Free Werld areas for which KH-4 photography is already available. Before exploring this subject, however, he asked me to comment on the current status of the Agency's RAD program on this subject.
- 2. I therefore summarised briefly the methodology developed by CMD including its study of appropriate emulsions, sampling techniques, and analytical means for estimating acreage and yield. I then noted that the results of the 1967 pilot test against spring wheat in North Dakota, for which a high degree of estimating accuracy was reported, are now under review in IAS and OER. I concluded by explaining that if this evaluation proves to be favorable, we will consider extending the test program to rice culture and exploring the compatibility with COMIREX collection requirements and MMO flight programs. In this briefing I cuphasized that we are mainly interested in estimating the production of major crops in desied areas, and that at the present time our major target is rice culture in Communist China. I was supported substantially in this briefing by Chief, O/CED/DOSAT, the senior Agency person responsible for

3. Following some discussion of MPIC reported that an intensive search had disclosed very little KM-4 imagery over the Free World that met requirements for

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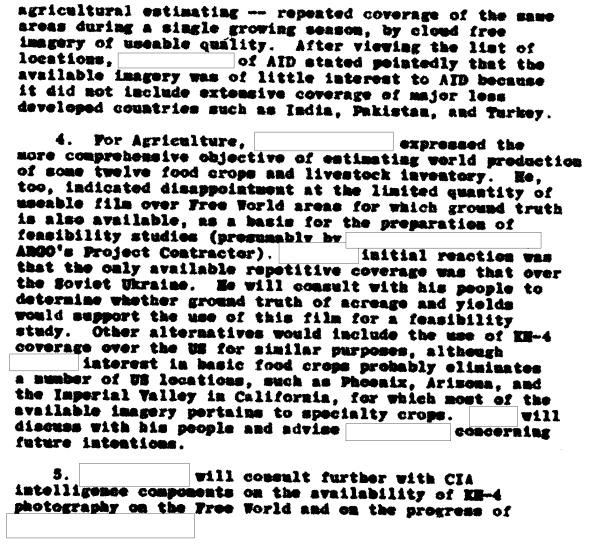
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- 6. In conclusion I judge that Agriculture and AID require further clarification concerning the extent to which the present and anticipated MBO collection programs can support the interests of non-intelligence agencies, together with the conditions under which such support might be provided.
- 7. Exploitation of overhead imagery to estimate agricultural production is not comparable to the identification of strategic objects, but requires a

relatively complex operational methodology, the feasibility of which is still being explored. Agriculture and AID need to be further apprised of this consideration and of the desirability of coordinating the overall effort of the government in this direction.

> Executive Assistant Economic Research

Attachment: List of attendees

Distribution:

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Overhead Imagery for Estimating Agricultural Producting Free World Areas, 10 September 1968, at HPIC				